



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/626,580

07/25/2003

Seh Joon Dokko

SI-0039

9531

34610 7590 06/04/2008

KED & ASSOCIATES, LLP  
P.O. Box 221200  
Chantilly, VA 20153-1200

EXAMINER

BALAOING, ARIEL A

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

06/04/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/626,580	<b>Applicant(s)</b> DOKKO, SEH JOON	
	<b>Examiner</b> ARIEL BALAOING	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 27-29,31-34 and 36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 27-29,31-34 and 36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07/25/2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 103*

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 27, 28, 31-33, 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over CROOK (US 2004/0077315 A1) in view of MILLS (US 2003/0092453).

Regarding claim 27, CROOK discloses a method for processing calls in a mobile communication system [**Figure 1**] (abstract), comprising: directing a call through a base station controller **104** to a first wireless mobile terminal [**called MS**] (paragraph 22, 45); ringing the first wireless mobile terminal (paragraph 8, 45, 46); receiving a request from a second wireless mobile terminal [**picker MS**] to pick up the call directed to the first wireless mobile terminal in response to the ringing (paragraph 45, 46); transferring the call to the second wireless mobile terminal in response to the request, wherein the transferring includes assigning a wireless traffic channel to the second wireless mobile terminal in response to the request (paragraph 47; call setup **220,522** in a wireless communication network inherently requires assignment of traffic channels to the picker MS); transmitting information **212** to the first wireless mobile terminal indicating a number of the second wireless mobile terminal that received the transferred call

Art Unit: 2617

(paragraph 46; IMSI transmitted to called party). However, CROOK does not expressly disclose receiving a request at the base station controller to pick up the call; and wherein the base station controller assigns a wireless traffic channel. In the same field of endeavor, MILLS discloses receiving a request at a base station controller **202** to pick up a call (paragraph 43); and wherein the base station controller assigns a wireless traffic channel in response to the request (paragraph 44). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify CROOK to include the teachings of MILLS, since such a modification would allow a controller to provide call setup for multiple wireless devices. Furthermore, it is well known and conventional in the art for a base station controller to assign traffic channels to mobile devices within the base station controllers coverage area.

Regarding claim 28, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. CROOK further discloses wherein the first and second mobile terminals are located in a coverage area of a same base station or sector (paragraph 46; mobile terminals are located within a short range coverage area).

Regarding claim 31, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. CROOK further discloses storing information indicating a group of wireless mobile phones eligible to pick-up calls for the first wireless mobile phone (paragraph 53, 55, 57; group pickup and predetermined group); and determining whether the second wireless mobile phone is in said group, wherein said transferring is performed only if the second wireless mobile phone is determined to be within said group (paragraph 53, 55, 57).

Regarding claim 32, CROOK discloses a system for processing calls in a mobile communication system [**Figure 1**] (abstract), comprising: a first wireless mobile terminal [**called MS**] to ring in response to a call directed to the first wireless mobile terminal from a base station controller **104** (paragraph 8, 22, 45); a second wireless mobile terminal [**picker MS**] to generate a request to pick up the call in response to the ringing (paragraph 8, 45, 46); and a processor that receives the request from the second wireless mobile terminal to pickup the call directed to the first wireless mobile terminal (paragraph 45, 46), a means for assigning a wireless traffic channel to the second wireless terminal in response to the request and that transfers the call to the second wireless mobile terminal in response to the request (paragraph 47; call setup **220,522** in a wireless communication network inherently requires assignment of traffic channels to the picker MS), and a means for transmitting information to the first wireless mobile terminal that received the transferred call (paragraph 46; IMSI transmitted to called party). However, CROOK does not disclose wherein the base station controller that receives the request from the second wireless mobile terminal to pick up the call, wherein the base station controller assigns a wireless traffic channel to the second wireless mobile terminal in response to the request, wherein the base station controller transfers the call to the second wireless mobile terminal in response to the request. In the same field of endeavor, MILLS discloses a base station controller that receives a request from a second wireless mobile terminal [**cordless telephone**] to pick up a call directed to a first wireless mobile terminal [**wireless intercom**], that assigns a wireless traffic channel to the second wireless mobile terminal in response to the request and

that transfers the call to the second wireless mobile terminal in response to the request, wherein the base station controller transmits information (information used for call alerting) to the first wireless mobile terminal (paragraph 43, 44). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify CROOK to include the teachings of MILLS, since such a modification would allow a controller to provide call setup for multiple wireless devices. Furthermore, it is well known and conventional in the art for a base station controller to assign traffic channels to mobile devices within the base station controllers coverage area.

Regarding claim 33, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. CROOK further discloses wherein the first and second mobile terminals are located in a coverage area of a same base station or sector (paragraph 46; mobile terminals are located within a short range coverage area).

Regarding claim 36, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. CROOK further discloses a storage unit which stores information indicative a group of mobile phones eligible to pick-up calls for the first mobile phone, wherein the processor determines whether the second mobile phone is in said group and then transfers the call to the second mobile only if the second mobile phone is determined to be within said group (paragraph 53, 55, 57; group pickup and predetermined group).

4. Claims 29 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over CROOK (US 2004/0077315 A1) in view of MILLS (US 2003/0092453), and further in view of ARDON (US 5,371,781).

Regarding claims 29 and 34, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. However, the combination of CROOK and MILLS does not disclose wherein the first and second mobile terminals are located in coverage areas of different base stations or sectors. In the same field of the endeavor, ARDON discloses wherein a first and second mobile terminals are located in coverage areas of different base stations or sectors (ARDON - **100, 115, 160, 155**, Figure 1; col. 1, line 61-col. 2, line 23). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination of CROOK and MILLS to include call pick capabilities when a first and second mobile terminal are located in different coverage area, as taught by ARDON, since ARDON discloses that such a modification would allow the use of a call pickup feature in cases where a ringing from a phone can not be heard (col. 1, line 41-53).

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

Art Unit: 2617

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ARIEL BALAOING whose telephone number is (571)272-7317. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, V. Paul Harper can be reached on (571) 272-7605. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VINCENT P. HARPER/  
Supervisory Patent Examiner, Art Unit 2617

/Ariel Balaoing/  
Examiner, Art Unit 2617

/A. B./  
Examiner, Art Unit 2617



Application/Control Number: 10/626,580  
Art Unit: 2617

Page 8